FIG. 1

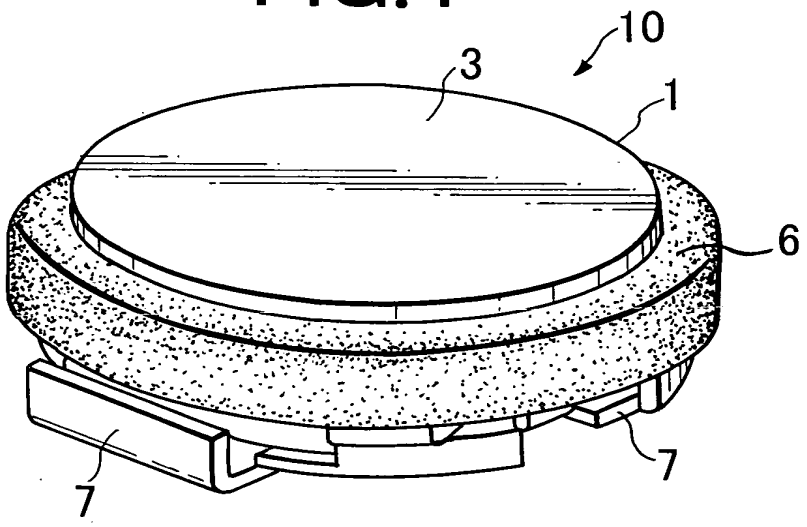

FIG. 2

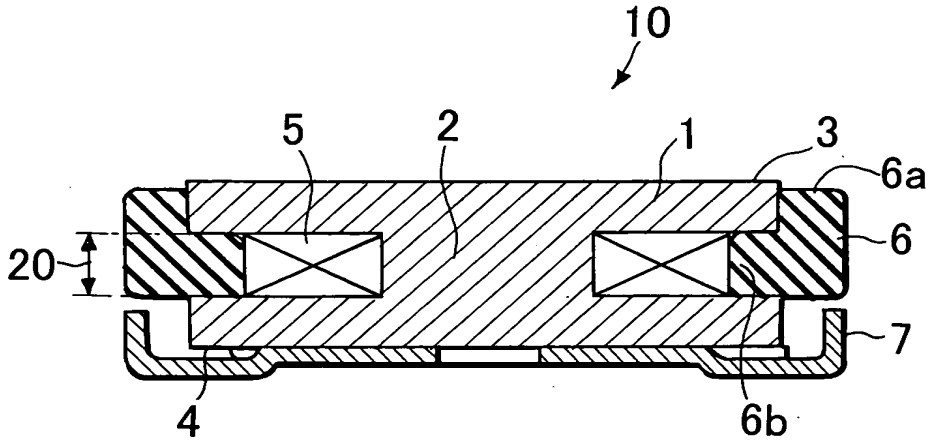

FIG.3

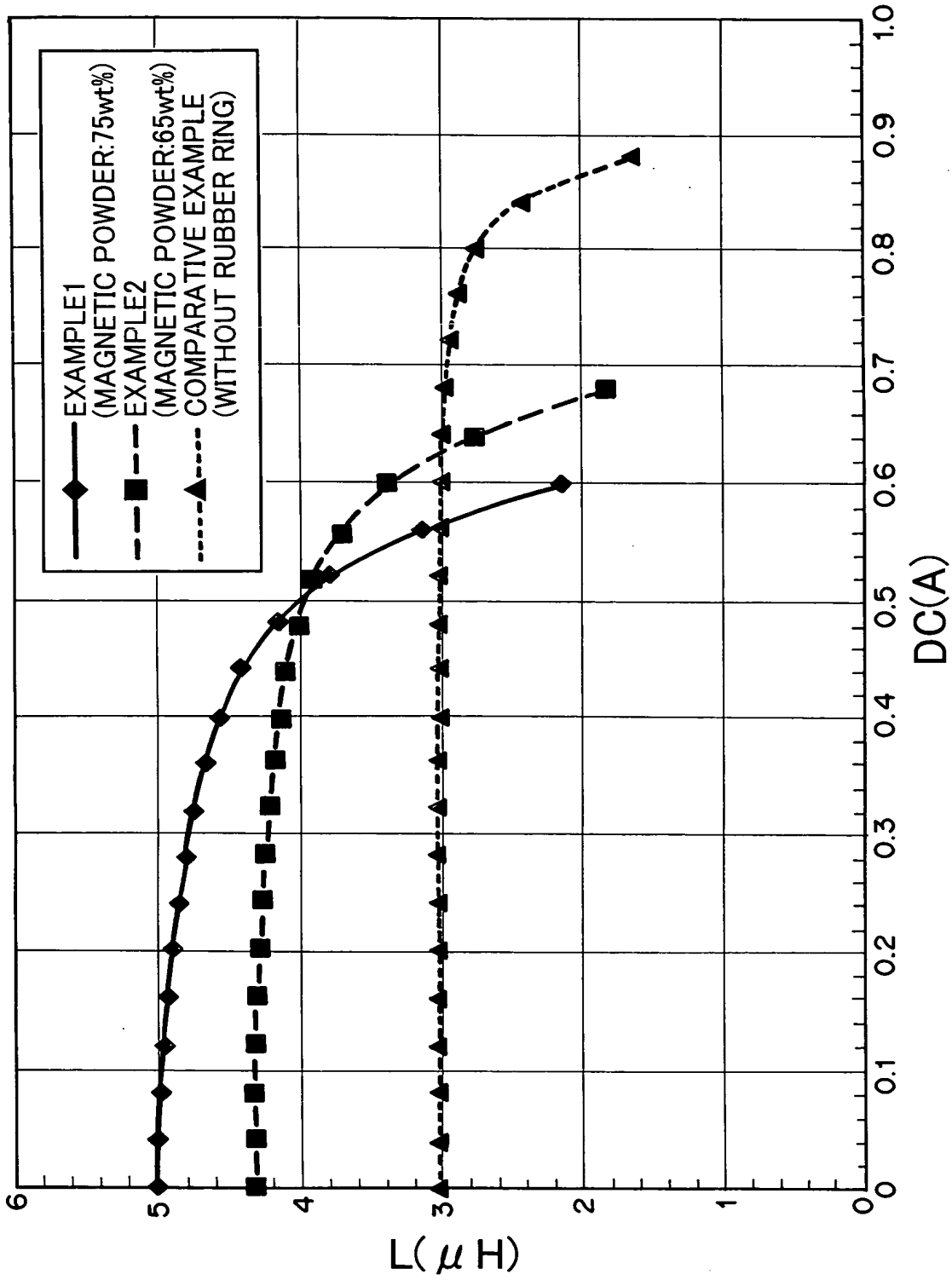
EXAMPLE1
(MAGNETIC POWDER:75wt%)
EXAMPLE2
(MAGNETIC POWDER:65wt%)
COMPARATIVE EXAMPLE
(WITHOUT RUBBER RING)
L(μH)
DC(A)
0
1
2
3
4
5
6
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0

FIG.4

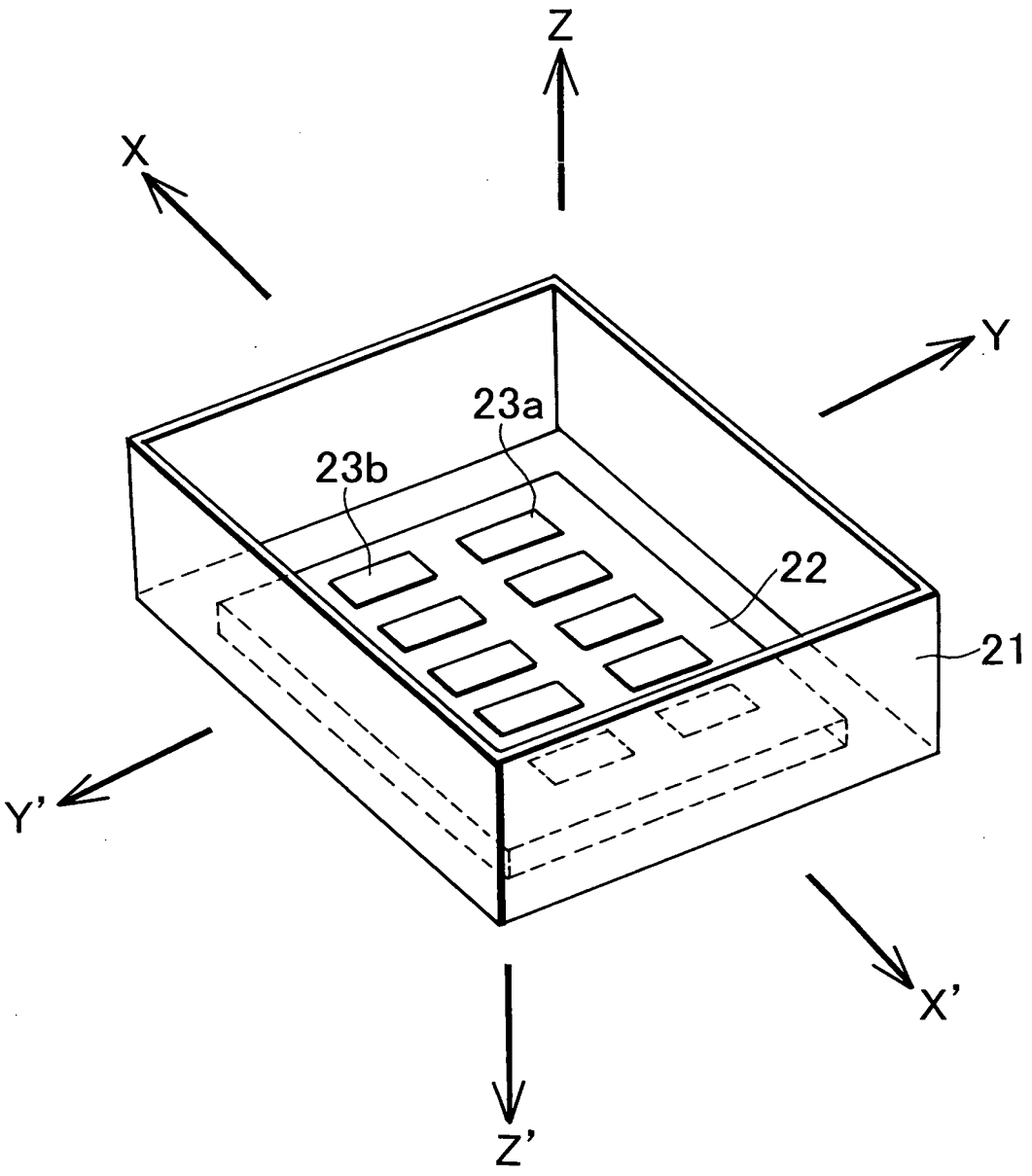

FIG.5

	NO.	1CYCLE	2CYCLE	3CYCLE	4CYCLE	5CYCLE	6CYCLE	7CYCLE	8CYCLE	9CYCLE	10CYCLE
COMP.EX.	1	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	4	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	5	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
EX.	1	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	4	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	5	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

	NO.	11CYCLE	12CYCLE	13CYCLE	14CYCLE	15CYCLE	16CYCLE	17CYCLE	18CYCLE	19CYCLE	20CYCLE
COMP.EX.	1	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	NG	–	–	–	–	–	–	–
	3	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	4	OK	OK	OK	OK	OK	NG	–	–	–	–
	5	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
EX.	1	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	4	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	5	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

	NO.	21CYCLE	22CYCLE	23CYCLE	24CYCLE	25CYCLE	26CYCLE	27CYCLE	28CYCLE	29CYCLE	30CYCLE
COMP.EX.	1	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	–	–	–	–	–	–	–	–	–	–
	3	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	4	–	–	–	–	–	–	–	–	–	–
	5	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
EX.	1	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	4	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	5	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

	NO.	31CYCLE	32CYCLE	33CYCLE	34CYCLE	35CYCLE	36CYCLE	37CYCLE	38CYCLE	39CYCLE	40CYCLE
COMP.EX.	1	OK	OK	OK	OK	OK	NG	–	–	–	–
	2	–	–	–	–	–	–	–	–	–	–
	3	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	4	–	–	–	–	–	–	–	–	–	–
	5	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
EX.	1	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	4	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	5	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK

	NO.	41CYCLE	42CYCLE	43CYCLE	44CYCLE	45CYCLE	46CYCLE	47CYCLE	48CYCLE	49CYCLE	50CYCLE
COMP.EX.	1	–	–	–	–	–	–	–	–	–	–
	2	–	–	–	–	–	–	–	–	–	–
	3	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	4	–	–	–	–	–	–	–	–	–	–
	5	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
EX.	1	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	2	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	3	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	4	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
	5	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
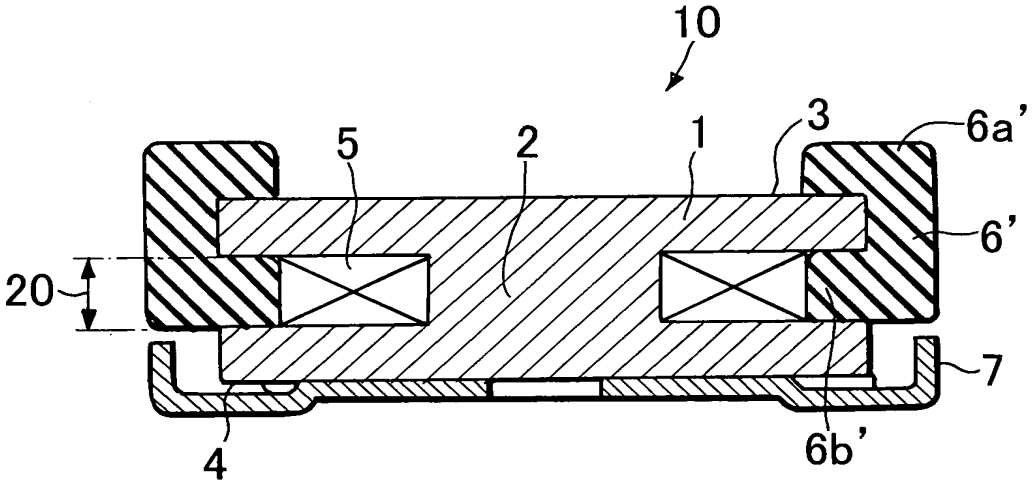
FIG.6